



Traits and Indexes

551H005486 DARTH VADER

Reg: HO840003267664523

DOB: 01/03/2023

DMS: 561, 456 AB A2A2

Ocd Thorson Darth Vader-ET TC TE TR
Thorson x Captain x Tahiti



Sire: STgen Cowen Thorson-ET
Dam: Ocd Captain Liana 65615-ET

MGS: Genosource Captain-ET
MGD: Bgp Sif Tahiti 18709-ET

08/2025	CDCB SUMMARY GENOMIC				NM\$ +1225
Milk	+2197	82%R	Cheese Merit \$		+1226
Fat	+144	+0.19%	Gestation Len. -2	MSP	+7
Protein	+68	-0.01%	EFI 11.0%	gEFI 12.8%	
CFP	+212		Mastitis -0.2	Fert. Index -1.0	
SCS	3.11	78%R	Livability -1.2	Heifer Liv. +0.4	
PL	+3.2	76%R	DPR -3.0	HCR +0.5	
CCR	-1.5	76%R	SCE +1.2	SSB +3.4	
RFI	+54				
Feed Saved	+424	47%R	0 Dtrs 0 Herds	100% US	

202508	ST TRAITS AND INDICES				Eco\$ +1269
Effective Milking Speed	+5.4	73%	EcoFeed Cow ²	+104	38%
Boxtime	+7.8	57%	EcoFeed Heifer ²	+101	56%
Milking Speed	+8.8	79%	Ecofeed Life ²	+110	43%
RCI	+5.5		Eco2 ²	+3.09	

08/2025	HA TYPE SUMMARY				TPI +3468
PTAT +0.16	81%R	UDC+0.70	FLC-1.26	BWC -2.94	0 D / 0 H
Stature	-1.25	Short			
Strength	-1.84	Frail			
Body Depth	-0.95	Shallow			
Dairy Form	+2.66	Open Rib			
Rump Angle	-0.47	High Pins			
Thurl Width	+0.01	Wide			
Rear Legs-Side	+2.23	Sickle			
Rear Legs-Rear	-2.18	Hock In			
Foot Angle	-2.00	Low			
Feet & Legs Score	-1.05	Low			
F. Udder Attachment	-0.40	Loose			
Rear Udder Height	+1.40	High			
Rear Udder Width	+2.14	Wide			
Udder Cleft	-0.54	Weak			
Udder Depth	-1.60	Deep			
Front Teat Placement	+0.60	Close			
Rear Teat P. Rear	+1.06	Close			
Teat Length	-0.30	Short			



Ocd Thorson Darth Vader-ET

¹ Effective Milking Speed (EMS)

Pounds of milk produced per minute of time spent in milking robot. This measures how efficiently a cow is milked, directly impacting milking equipment throughput.

³ Statistic	Value
Mean	4.2
Std Dev	0.6
Min	1.5
Max	6.9
Units	lb milk/minute

¹ Box Time (BT)

Robot box time: The total time from a cow's entry to exit in the milking box, including identification, preparation, milking, and udder treatment.

³ Statistic	Value
Mean	7.5
Std Dev	0.9
Min	2.6
Max	7.5
Units	Minutes/Visit

¹ Milking Speed (MS)

The total pounds of milk produced per minute. Indicates how efficiently a cow milks out and is calculated as the total milk yield divided by total milking time, based on direct Robotic Milking data.

³ Statistic	Value
Mean	6.8
Std Dev	1.3
Min	0.6
Max	13.3
Units	lb milk/minute

¹ Robotic Cow Index (RCI)

A genetic index combining key traits for robotic milking—udder composition, teat positioning, milking speed, and box time.

³ Statistic	Value
Mean	5.0
Std Dev	1.0
Min	0.0
Max	10.0
Units	Rank

² Eco\$

An economic index that maximizes production and functionality, with special emphasis on feed conversion efficiency—promoting profitable genetics from cows with a reduced carbon footprint.

³ Statistic	Value
Mean	520
Std Dev	238
Min	-651
Max	1454
Units	USD

¹ EcoFeed² Cow

Feed conversion efficiency measured during the lactating stage. Each unit represents 0.1 lb less dry matter intake per day.

³ Statistic	Value
Mean	100
Std Dev	10
Min	59
Max	141
Units	Rank

¹ EcoFeed² Heifer

Feed conversion efficiency measured during the growing stage in heifers. Each unit represents 0.1lb less dry matter intake per day.

³ Statistic	Value
Mean	100
Std Dev	5
Min	77
Max	122
Units	Rank

¹ EcoFeed² Life

A ranking index of feed conversion efficiency across the animal lifetime

³ Statistic	Value
Mean	100.0
Std Dev	10.0
Min	47.1
Max	146.7
Units	Rank

² Eco2

Lifetime methane savings of an animal, expressed as tons of CO₂^e (carbon dioxide equivalent) reduced compared to the industry average for a dairy female.

³ Statistic	Value
Mean	1.67
Std Dev	0.47
Min	-1.40
Max	3.59
Units	Tons of CO ₂ ^e /lifetime

¹ Data shown as breeding value, meaning daughters are expected to inherit half of the sire's value.

² Data shown as PTA (Predicted Transmitting Ability) — this represents the portion of the sire's genetic value expected to be passed on to his daughters.

³ Values may change slightly overtime.